


P23664.P01 <div style="text-align: center;"><b>UTILITY PATENT APPLICATION TRANSMITTAL</b></div> (Only for new nonprovisional applications under 37 CFR 1.53(b))	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Attorney Docket No.</td> <td style="width:33%;">P23664</td> <td style="width:33%;">Total Pages</td> <td></td> </tr> <tr> <td colspan="4">Inventor(s) or Application Identifier</td> </tr> <tr> <td colspan="4">Keith ALLEN and Weijing CHEN</td> </tr> <tr> <td colspan="4">Title: BROADBAND ACCESS FOR VIRTUAL PRIVATE NETWORK</td> </tr> </table>	Attorney Docket No.	P23664	Total Pages		Inventor(s) or Application Identifier				Keith ALLEN and Weijing CHEN				Title: BROADBAND ACCESS FOR VIRTUAL PRIVATE NETWORK			
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Keith ALLEN and Weijing CHEN																	
Title: BROADBAND ACCESS FOR VIRTUAL PRIVATE NETWORK																	
ADDRESS TO: <b>Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450</b>																	
<b>APPLICATION ELEMENTS</b>  1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)  2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. a. <input type="checkbox"/> Small Entity Statement(s)  3. <input checked="" type="checkbox"/> Specification [Total Pages <u>28</u> ] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>2</u> ]  5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>3</u> ] a. <input type="checkbox"/> Newly executed (original or copy) <input checked="" type="checkbox"/> Unexecuted b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76  8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)	<b>ACCOMPANYING APPLICATION PARTS</b>  9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies  10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))  11. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)  12. <input type="checkbox"/> English Translation Document (if applicable)  13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations  14. <input type="checkbox"/> Preliminary Amendment  15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>1</u>  17. <input type="checkbox"/> Foreign priority claimed a. <input type="checkbox"/> Claim of Priority b. <input type="checkbox"/> Certified Copy of Priority Document(s)  18. <input checked="" type="checkbox"/> Assignee: <u>SBC Knowledge Ventures, L.P.</u> <u>of Reno, Nevada</u>  19. <input checked="" type="checkbox"/> Other: <u>Cover Letter Filed Under 37 CFR 1.53(b) &amp; (f).</u> _____ _____ _____ _____ _____																
20. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. _____/_____, filed _____. Prior application information: Examiner: _____ Group Art Unit: _____																	
21. <input type="checkbox"/> Amend the specification by inserting before the first line the sentence: This application is a __ continuation-in-part, __ continuation, __ divisional, of Application No. _____/_____, filed _____.																	

21906 U.S. PTO  
 10/628238  
 07/29/03

Address all future correspondence to **Customer No. 7055** at the present address of:

**GREENBLUM & BERNSTEIN, P.L.C.**  
 1950 Roland Clarke Place  
 Reston, VA 20191  
 (703) 716-1191

7/29/03  
 Date

  
 Signature  
Bruce H. Bernstein, Reg. No. 29,027  
 Typed or Printed Name  
 33,329

07/29/03

P23664.P02

15915 U.S. PTO

## FEE TRANSMITTAL

## Complete if Known

Application Number		Not Yet Assigned	
Filing Date		Concurrently Herewith	
First Named Inventor		Keith ALLEN et al.	
Group Art Unit		Unassigned	
Examiner Name		Unassigned	
TOTAL AMOUNT OF PAYMENT		(\$ 834.00)	
Attorney Docket Number		P23664	

## METHOD OF PAYMENT (check one)

## FEE CALCULATION (continued)

1. ☒ The U.S. Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089Deposit Account Name GREENBLUM & BERNSTEIN, P.L.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3))
- ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)
- ☐ Applicant Claims Small Entity Status See 37 CFR 1.27.

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION (fees effective 01/01/03)

## 1. FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	<u>750.00</u>
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ 750.00)

## 2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
<u>20</u>	<u>-20=</u>	<u>0</u> x <u>18</u>	<u>0</u>
<u>Independent</u>	<u>4</u> <u>-3=</u>	<u>1</u> x <u>84</u>	<u>84.00</u>
<u>Claims</u>			
<u>Multiple Dependent Claims</u>	<u>0</u> x <u>280</u>		<u>0</u>

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim
1204	84	2204	42	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 84.00)

## 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR	
				Prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for response within 1st month	
1252	410	2252	205	Extension for response within 2nd month	
1253	930	2253	465	Extension for response within 3rd month	
1254	1,450	2254	725	Extension for response within 4th month	
1255	1,970	2255	985	Extension for response within 5th month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive unavoidably abandoned application	
1453	1,300	2453	650	Petition to revive unintentionally abandoned application	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of IDS	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$ 0.00)

\*Reduced by Basic Filing Fee paid

## SUBMITTED BY

## Complete (if applicable)

Typed or Printed Name	Bruce H. Bernstein	Reg. Number	29,027
Signature	<i>Leslie J. Pappas</i>	Date	7/29/03
		Deposit Account User ID	

33,329

P23664.P03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Keith ALLEN et al.

Serial No :Not Yet Assigned

Filed : Concurrently Herewith

For : BROADBAND ACCESS FOR VIRTUAL PRIVATE NETWORKS

**COVER LETTER ACCOMPANYING U.S. PATENT APPLICATION  
FILED UNDER 37 C.F.R. 1.53(b) and 1.53(f)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Enclosed is a new patent application for filing in the U.S. Patent and Trademark Office under 37 C.F.R. 1.53(b) and 1.53(f) in which the Declaration and Power of Attorney attached thereto are in unexecuted form. A properly executed Declaration and Power of Attorney will be filed within the time period set forth in the Notice to File Missing Parts of Application, unless such time period has been extended by the filing of a petition accompanied by the extension fee under the provisions of 37 C.F.R. 1.136(a).

Related to the above, this application should be associated with Customer Number 7055, which includes the present correspondence address as follows:


GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191

The above-identified application includes:

- 28 pages of specification with abstract.
- 2 sheets of drawings with 2 figures.
- 20 total claims and 4 independent.
- an unexecuted Declaration and Power of Attorney.

If there are any questions, please contact the undersigned at the below-listed telephone number.

Respectfully submitted,  
Keith ALLEN et al.

 *Reg No*  
Bruce H. Bernstein *33,329*  
Reg. No. 29,027

July 29, 2003  
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